

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Steven C. Constable

Serial No. TBD

Filed: June 10, 2005

For: SYSTEM AND METHOD FOR
HYDROCARBON RESERVOIR
MONITORING USING
CONTROLLED-SOURCE
ELECTROMAGNETIC FIELDS

Group Art Unit: To be assigned

Examiner: To be assigned

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with 37 CFR Sections 1.97 and 1.98, the items identified in this Information Disclosure Statement ("IDS") are brought to the attention of the Office. The items are listed on the attached form PTO/SB/08A. With reference to the Pre-Official Gazette Notice by the Office of Patent Legal Administration, this application was filed after June 30, 2003, therefore copies of cited U.S. Patents and Publications are not submitted.

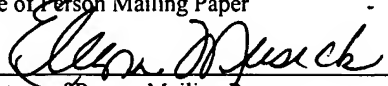
CERTIFICATE OF MAILING

(37 C.F.R. § 1.8)

I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as First Class Mail, addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

June 10, 2005

Eleanor M. Musick
Name of Person Mailing Paper


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The items identified in this IDS may or may not be "material" pursuant to 37 CFR 1.56. The submission thereof by Applicants is not to be construed as an admission that any such patent, publication or other information referred to therein is material or considered to be material (37 CFR 1.97(h)), or even qualifies as "prior art" under 35 USC 102 with respect to this invention unless specifically designated by Applicant as such.

FILING PROVISION

This IDS is believed to be timely and is submitted under 37 CFR 1.97(b)(3) before the mailing of a first Office Action on the merits. However, if the undersigned is in error in this regard, Applicant respectfully requests that the Office consider this IDS as filed under 37 CFR § 1.97(c).

PAYMENT AND/OR AUTHORIZATION TO CHARGE FEES:

No fees are required with this filing under 37 CFR 1.97(b)(3), however, if applicant is incorrect in this regard or if the filing is accepted under 37 CFR 1.97(c), the Commissioner is hereby authorized to charge any fees required by the filing of these papers to Procopio's Deposit Account No. **50-2075**.

Respectfully submitted

Dated: June 10, 2005

By:



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Docket No.: US3083 (111845-0058)

Substitute for form 1449A/PTO

(Use as many sheets as necessary)

Complete if Known.

plete if Known
10/538326

Application Number

Filing Date

June 10, 2005

First Named Inventor

Steven C. Constable

Group Art Unit

Unknown

Examiner Name

Unknown

Attorney Docket Number

US3083 (111845-0058)

Sheet

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| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Column, Lines, Where Relevant Passages or Relevant Figures Appear |
|--------------------|-----------------------|--|--------------------------------|--|--|
| | | Number-Kind Code ² (if known) | | | |
| | A1 | 2,293,024 | 08-11-1942 | Klipsch | |
| | A2 | 2,531,088 | 11-21-1950 | Thompson | |
| | A3 | 2,839,721 | 06-17-1958 | Witte | |
| | A4 | 2,872,638 | 02-03-1959 | Jones | |
| | A5 | 3,052,836 | 09-04-1962 | Postma | |
| | A6 | 3,182,259 | 05-04-1965 | Mayes | |
| | A7 | 4,047,098 | 09-06-1977 | Duroux | |
| | A8 | 4,298,840 | 11-03-1981 | Bischoff et al. | |
| | A9 | 4,617,518 | 10-14-1986 | Srnka | |
| | A10 | 5,770,945 | 06-23-1998 | Constable | |
| | A11 | 6,480,000 B1 | 11-12-2002 | Kong et al. | |
| | A12 | 2003/0043692 A1 | 03-06-2003 | Ellingsrud et al. | |
| | A13 | 2003/0048105 A1 | 03-13-2003 | Ellingsrud et al. | |
| | A14 | 2003/0052685 A1 | 03-20-2003 | Ellingsrud et al. | |
| | A15 | 6,603,313 B1 | 08-05-2003 | Srnka | |
| | | | | | |

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Column, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
|--------------------|-----------------------|--|--------------------------------|---|--|----------------|
| | | Country Code ³ - Number ⁴ -Kind Code ⁵ (if known) | | | | |
| | A16 | WO 01/20366 A1 | 03-22-2001 | Srnka | | |
| | A17 | WO 01/57555 A1 | 08-09-2001 | Ellingsrud, et al. | | |
| | | WO/03/048812 A1 | 06-12-2003 | MacGregor et al. | | |
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| Examiner Signature | | | | | Date Considered | |

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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Application Number

Filing Date

First Named Inventor

Group Art Unit

Examiner Name

Attorney Docket Number

June 10, 2005

Steven C. Constable

Unknown

Unknown

US3083 (111845-0058)

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
|--------------------|-----------------------|---|----------------|
| | B1 | PAUL, A.C., "Evolution of Wireline Well-Logging Technique (The Eye of Oil Industry) in India and Advances Beyond 2000", <i>Geohorizons</i> , January 2002. | |
| | B2 | COX, C.S., et al., "Controlled-source electromagnetic sounding of the oceanic lithosphere" (6 march 1986) <i>Nature</i> , Vol. 320, No. 6057, pp. 52-54. | |
| | B3 | SINHA, M.C., et al., "An Active Source Electroagnetic Sounding System for Marine Use" <i>Marine Geophysical Researches</i> 12:59-68 (1990) | |
| | B4 | CONSTABLE, S., et al., "Marine controlled-source electromagnetic sounding 2. The PEGASUS experiment" <i>Journal of Geophysical Research</i> , Vol. 101, No. B3, pp. 5519-5530 (Mrch 10, 1996) | |
| | B5 | FLOSADOTTIR, A.H., et al., "Marine controlled-source electromagnetic sounding 1. Modeling and experimental design" <i>Journal of Geophysical Research</i> , Vol. 101, No. B3, pp. 5507-5517 (March 19, 1996) | |
| | B6 | MacGREGOR, I, et al., "Electrical resistivity structure of the Valu Fa Ridge, Lau Basin, from marine controlled-soiurce electromagnetic sounding", <i>Geophys. J. Int.</i> (2001) 146, 217-236 | |
| | B7 | EIDESMO, T., et al., "Sea Bed Logging (SBL), a new method for remote and direct identification of hydrocarbon filled layers in deepwater areas", <i>First Break</i> Vol. 20.3 (March 2002), pp. 144-152. | |
| | B8 | ELLINGSRUD, S., et al., "Remote sensing of hydrocarbon layers by seabed logging (SBL): Results from a cruise offshore Angola", <i>The Leading Edge</i> (October 2002), pp. 972-982. | |
| | B9 | EVERETT, Mark E., et al., "Effects ofnear-surface conductance on global satellite induction responses", <i>Geophysical Journal International</i> , 15:37 (March 7, 2003), pp. 277-286. | |
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